

- (a) isolating DNAs from cells which have no known numerical changes in their DNAs, amplifying the DNAs by means of a PCR method using tag primers, and labeling the amplified DNAs with a first label;
- (b) hybridizing cells under study *in situ* with the amplified DNAs from (a);
- (c) amplifying DNAs from the *in situ* hybridized cells from (b) by means of a PCR method using the tag primers from (a), and labeling the amplified DNAs of (c) with a second label that is different from the first label;
- (d) cohybridizing the labeled DNAs from (a) and (c) to metaphase chromosome spreads from normal cells under suppression hybridization conditions; and
- (e) identifying numerical changes in the amplified DNAs from (c).

Cancel Claim 8.

#### REMARKS

##### The Amendments

Claim 1 is amended to recite labeling the amplified DNAs with a first label, and labeling the amplified DNAs of (c) with a second label that is different from the first label. Support for the amendment can be found at page 6, lines 5-7, and page 12, lines 1-3 (in *Human Chromosomes*, page 195).

Claim 8 is canceled to further the prosecution.

No new matter is added in any of the above amendments. Applicants believe that the amendments would place the application in a condition for allowance or in a better form on appeal. The Examiner is requested to enter the amendments and reconsider the application.